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(74) Agent: **OPPEDAHL, Carl**; Oppedahl & Larson LLP, P O Box 5068, Dillon, CO 80435-5068 (US).

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(71) Applicant (for all designated States except US): **SEMTECH CORPORATION** [US/US]; 200 Flynn Road, Camarillo, CA 93012-8790 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARTEN, Victor** [US/US]; Semtech Corporation, 200 Flynn Road, Camarillo, CA 93012-8790 (US). **WANG, Wei** [CN/US]; Semtech Corporation, 200 Flynn Road, Camarillo, CA 93012-8790 (US).

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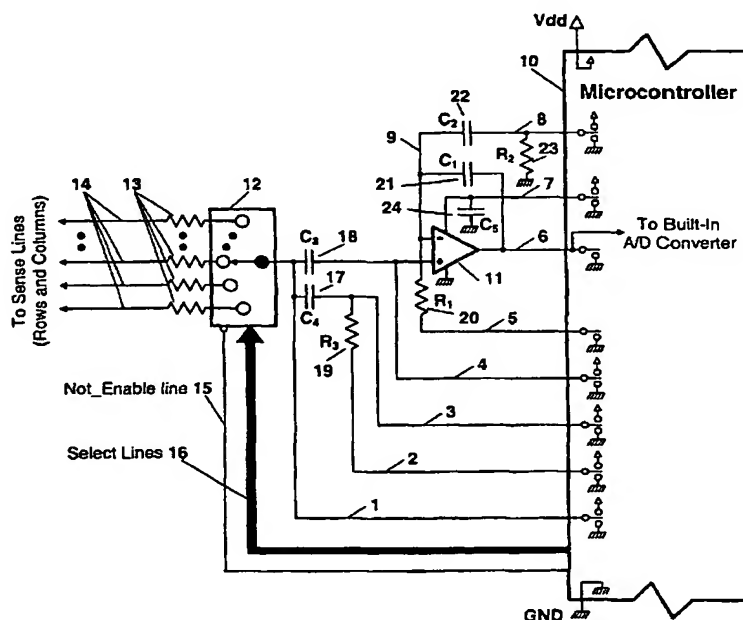
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(54) Title: DATA ACQUISITION FROM CAPACITIVE TOUCH PAD



(57) **Abstract:** A Circuit (in fig. 1) and an Algorithm for Data Acquisition from Capacitive Touch Pad Sensor employs charge transfer to sense capacitance. The circuit has high degree of noise rejection from both system and externally generated noises; it is resistant to the effects of ESD; utilizes a general purpose "off the shelf" components and programmable microcontroller (element 10), providing flexibility for changes and adjustments without incurring the high costs of a custom IC design. A settling time and low sensitivity to the noise.